BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Modified Estimate for Improvements to Roads and Drains at Thanisandra Govt school Backside & Anjanadri Layout in Ward No. 6 Byatarayanapura Sub Division**

Modi Estimated Cost : **2736013.32**

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Modified Estimate for Improvements to Roads and Drains at Thanisandra Govt school Backside & Anjanadri Layout in Ward No. 6 Byataravanapura Sub Division

			Estimate Cost Rs.					2736013.32	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2015-16	cum							
	Desilting of Drains								
			1	157.00	0.45	0.30	21.20		
			1	157.00	0.45	0.25	17.66		
	For Road Surface								
			1	157.00	4.70	0.15	110.69		
			1	157.00	4.70	0.20	147.58		
	As per Tender Qty 63.44						**297.12**		
	up to 125% Qty 79.30						**79.30**	TR 145.00	**11498.50**
	above 125% Qty						**217.82**	TR 145.00	**31584.26**
	Apporved Sch B Rate	145.00							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in Hard soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No,. KBS 2.1(a) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2015-16	Cum							
	For Culverts		3	6.50	1.95	1.05	39.93		
	For Slab Drain		1	157.00	0.75	0.75	88.31		
			1	157.00	0.75	0.75	88.31		
	As per Tender Qty 39.93						**216.55**		
	up to 125% Qty 49.91						**49.91**	TR 250.00	**12477.50**
	above 125% Qty						**166.64**	TR 250.00	**41660.31**
	Apporved Sch B Rate	250.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2015-16	**Sqm**							
	For Slab Drain		1	180	1.65		297.00		
			1	180	1.65		297.00		
	As per Tender Qty 299.06						**594.00**		
	up to 125% Qty 373.82						**373.82**	TR 600.00	**224292.00**
	above 125% Qty						**220.18**	TR 600.00	**132108.00**
	Apporved Sch B Rate	600.00							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2015-16	**Cum**							
	For CC Road Cross Road		1	157.00	4.70	0.15	110.69		
			1	157.00	4.70	0.15	110.69		
	For Culverts		3	6.50	1.95	0.15	5.70		
	As per Tender Qty 5.70						**227.07**		
	up to 125% Qty 7.12						**7.12**	TR 4800.00	**34176.00**
	above 125% Qty						**219.95**	TR 4800.00	**1055778.00**
	Apporved Sch B Rate	4800.00							
5	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2015-16	cum							
	For Culverts		3X2	6.50	0.60	0.45	10.53		
	As per Tender Qty 10.53						**10.53**		
							10.53	TR 3900.00	**41067.00**
	Apporved Sch B Rate	3900.00							
6	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2015-16	**Sqm**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Culverts		3X2	6.50	0.50	0.45	8.78		
	As per Tender Qty 8.78						8.78	TR 4500.00	39487.50
	Apporved Sch B Rate	4500.00							
7	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2015-16	**Sqm**							
	For Culverts		3	6.50	0.60		11.70		
	For Sides		3X2	6.50	0.23		8.97		
			3X2	1.65	0.23		2.28		
	As per Tender Qty 22.95						22.95	TR 250.00	5736.75
	Apporved Sch B Rate	250.00							
8	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	**cum**							
	For Culverts		3X2	6.50	0.50	0.10	1.95		
	Vent Bed		3	6.50	0.60	0.10	1.17		
	As per Tender Qty 3.12						3.12	TR 5000.00	15600.00
	Apporved Sch B Rate	5000.00							
9	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2015-16	Sqm							
	For Culverts		3X2	6.50		0.50	19.50		
	As per Tender Qty 19.50						19.50	TR 85.00	1657.50
	Apporved Sch B Rate	85.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2015-16	Cum							
	For Culverts		3	6.50	1.65	0.23	7.40		
	As per Tender Qty 7.40						**7.40**	TR 5801.00	**42928.85**
	Apporved Sch B Rate	5801.00							
11	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR 2015-16	Qtl							
	0.75Ton/Cum		0.065	7.40			**0.48**		
	As per Tender Qty 0.56						**0.48**	TR 67000.00	**32228.09**
	Apporved Sch B Rate	67000.00							
12	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2015-16	Cum							
	For CC Road Cross Road		1	157.00	4.70	0.10	73.79		
			1	157.00	4.70	0.10	73.79		
	As per Tender Qty 135.00						**147.58**		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	up to 125% Qty 168.75						**147.58**	TR 5700.00	**841206.00**
	Apporved Sch B Rate	5700.00							
13	KSRRB M2600-3: (ii) Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, No. 233/ Item No. 31.3 PWD SR 2015-16	M							
	For CC Road Cross Road		15	4.50			67.50		
			15	4.50			67.50		
	As per Tender Qty 270.00						**135.00**		
							135.00	TR 140.00	**18900.00**
	Apporved Sch B Rate	140.00							
14	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift No. 171/ Item No. 22.7/ PWD SR 2015-16	Sqm							
	For CC Road Cross Road		1	157.00	4.70		737.90		
			1	157.00	4.70		737.90		
	As per Tender Qty 1350.00						**1475.80**		
	up to 125% Qty 1687.00						**1475.00**	TR 85.00	**125375.00**
	Apporved Sch B Rate	85.00							
15	Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
			Qty. Vide Item No. 1+2				**513.67**		
	As per Tender Qty 103.36						**513.67**		
	up to 125% Qty 129.07						**129.07**	TR 55.00	**7098.85**
	above 125% Qty						**384.60**	TR 55.00	**21153.21**
	Apporved Sch B Rate	55.00							
								Total	**2736013.32**

Rupees Twenty Seven Lakh(s) Thirty Six Thousand Thirteen And Paise Thirty Two Only

1 **Estimate Sanction amount Rs =3000000.00**
2 **Tender Agriment Amount Rs =2736441.95**
3 **Tender Primioum Above - 8.06%**

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
20/7/16

Revi.
Modified Estimate Sanctioned

Chief Engineer
Yelahanka Zone
Bruhat Bangalore Mahanagara
Bangalore 92
21/7/16